

# World Robotics 2019 Preview

# World *Robotics* Industrial Robots 2019

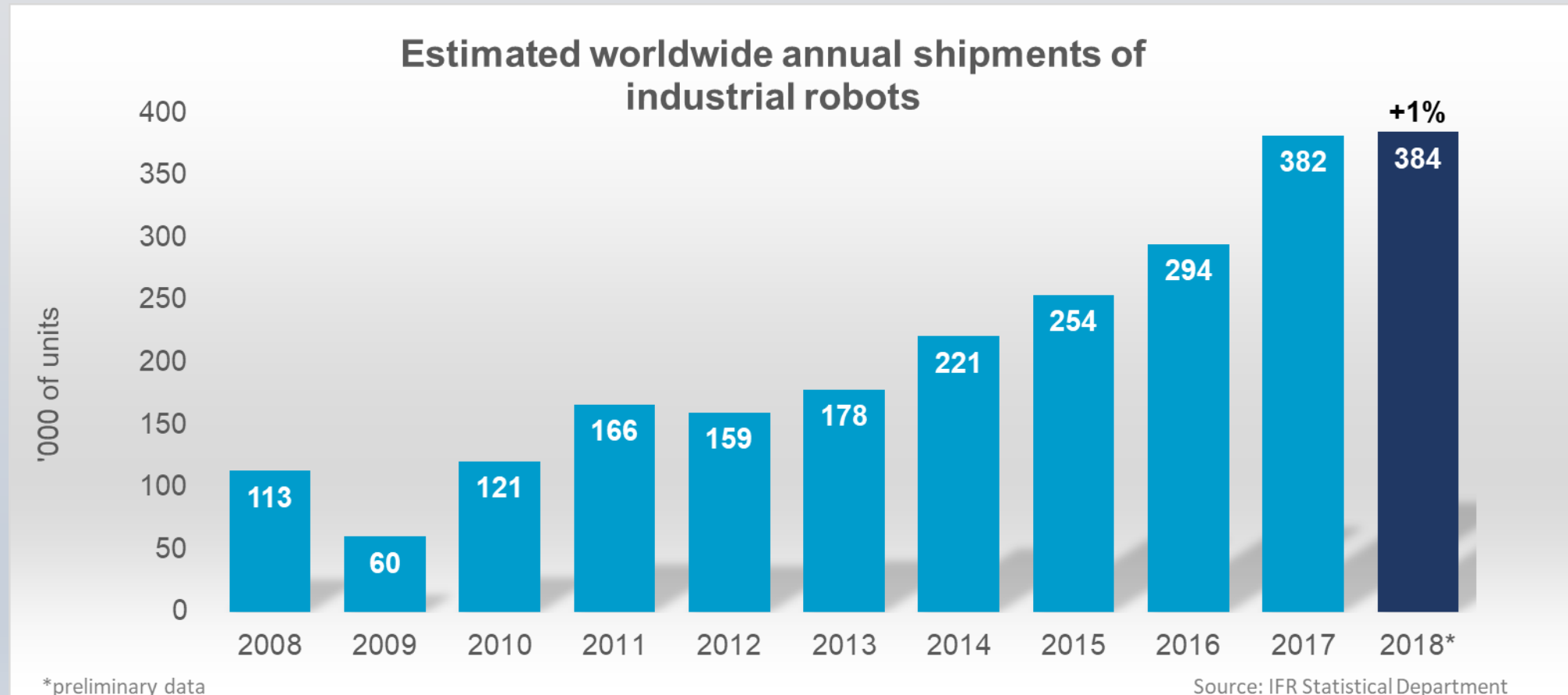


Statistics, Market Analysis, Forecasts and Case Studies

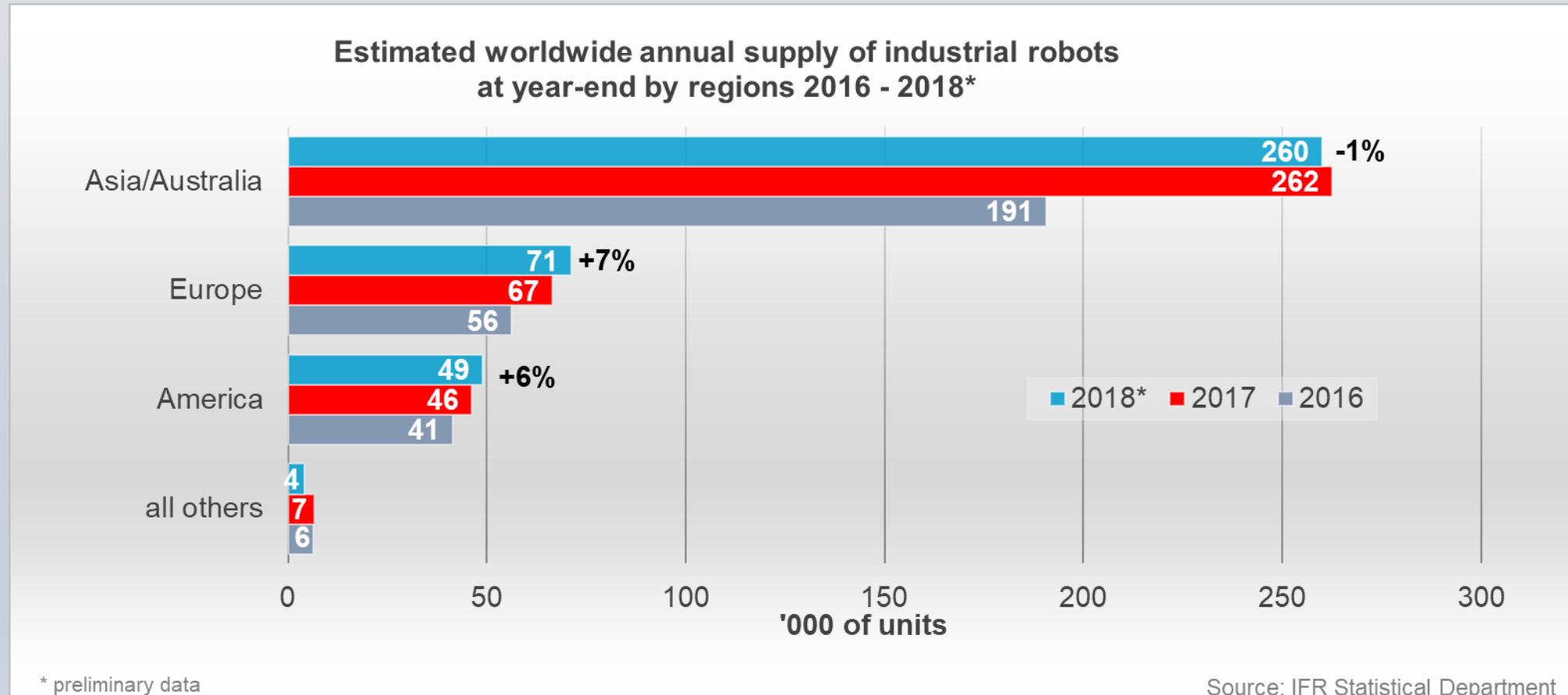
## Industrial Robots

- Global Installations 2018
- Regions
- Main Markets
- Key Segments
- Challenges to the Robotics Industry
- Forecast 2019 – 2022

## 2018 : Another Record Year, but only just!

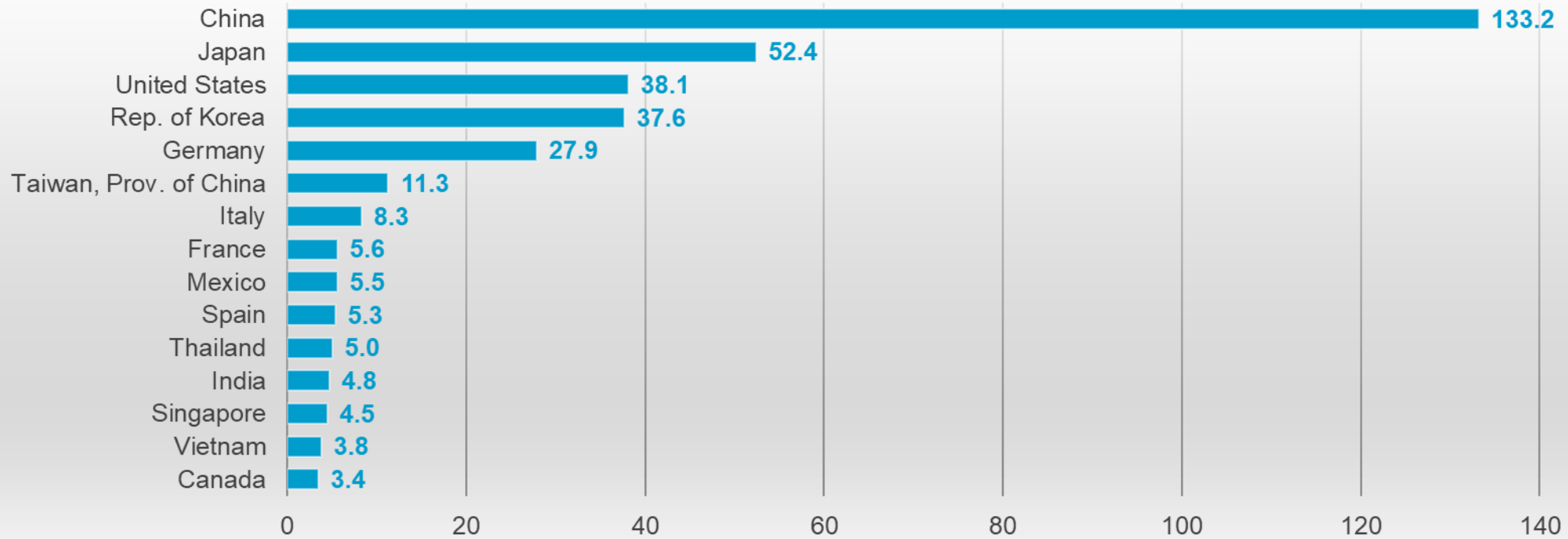


## 2018 : Europe & America still growing, Asia flat



# China remains the largest Market

Estimated worldwide annual supply of industrial robots  
at year-end 15 main markets 2018\*

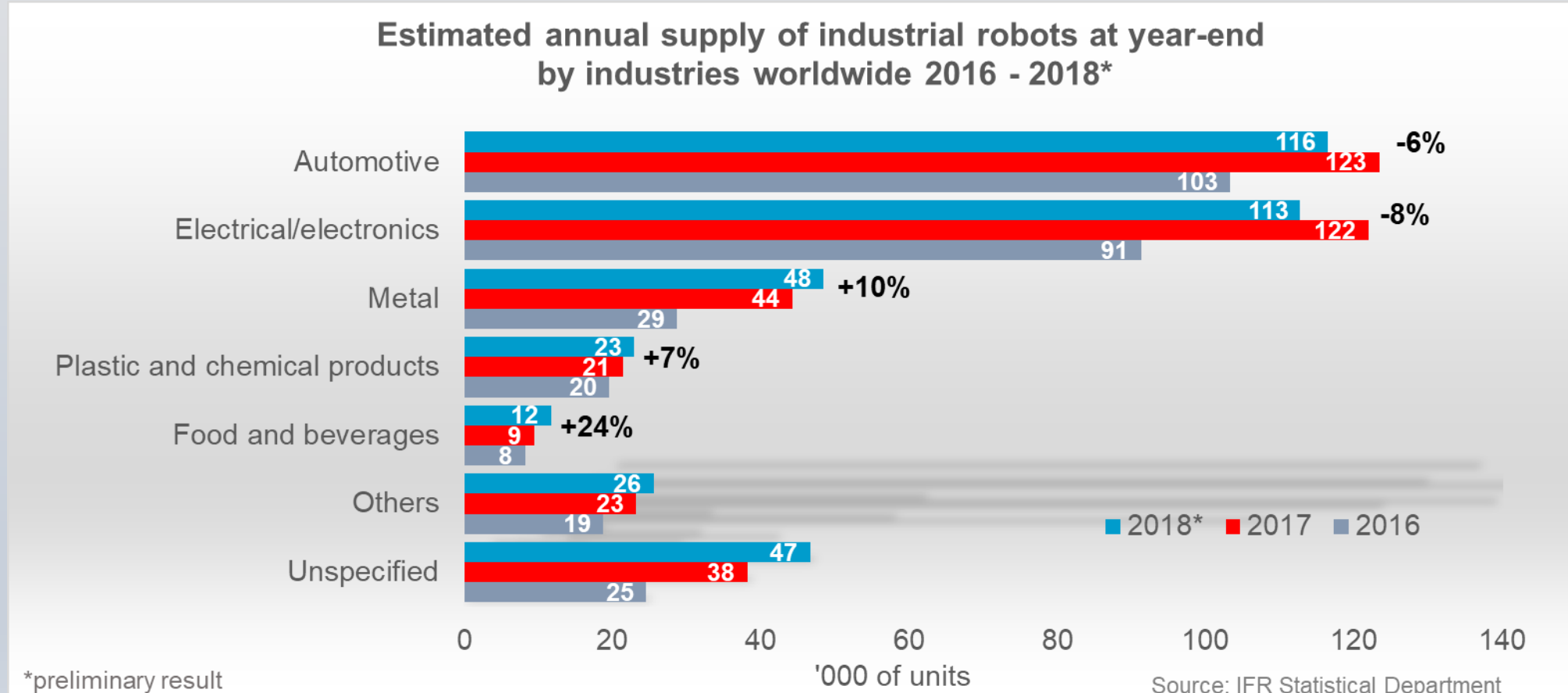


\*preliminary data

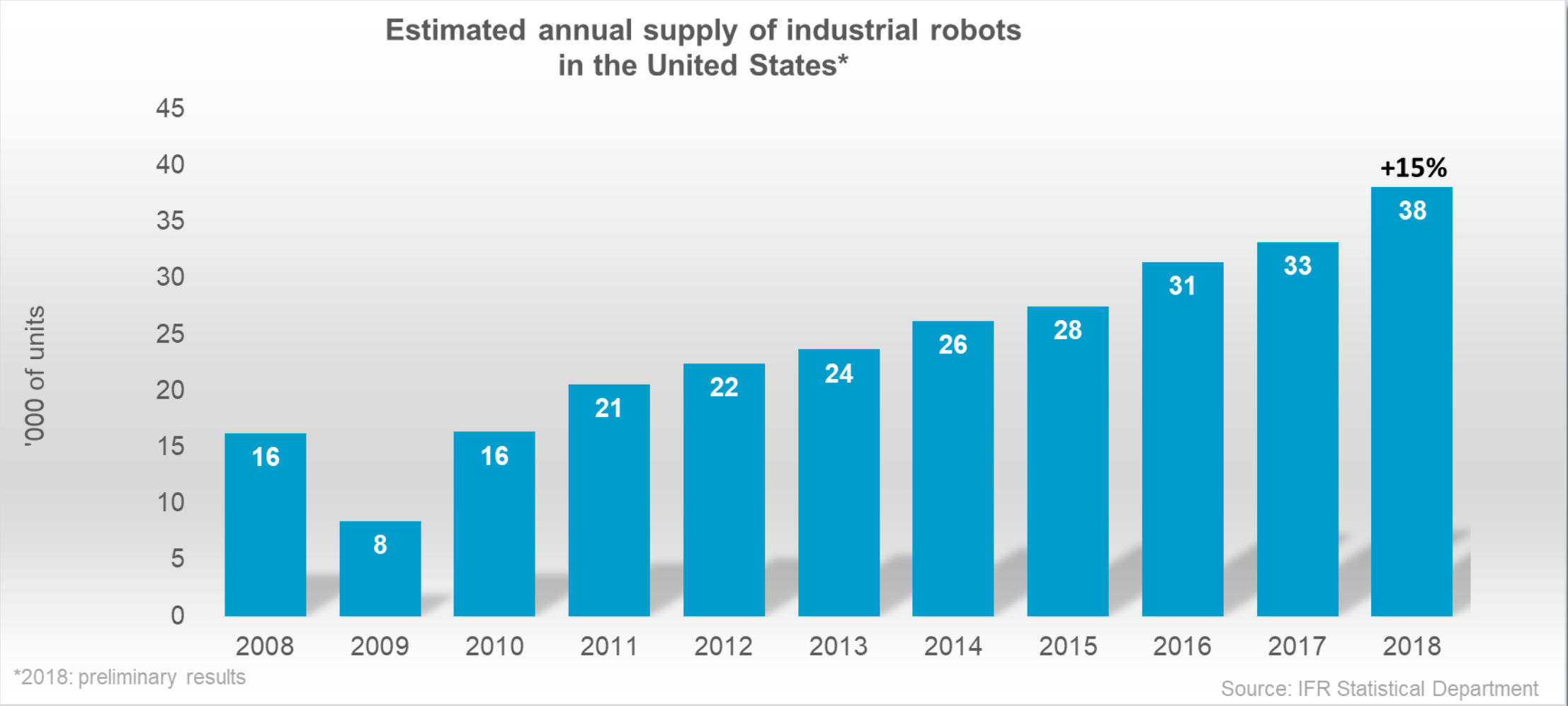
'000 of units

Source: IFR Statistical Department

# 2018 : Automotive & Electronics still the largest Segments

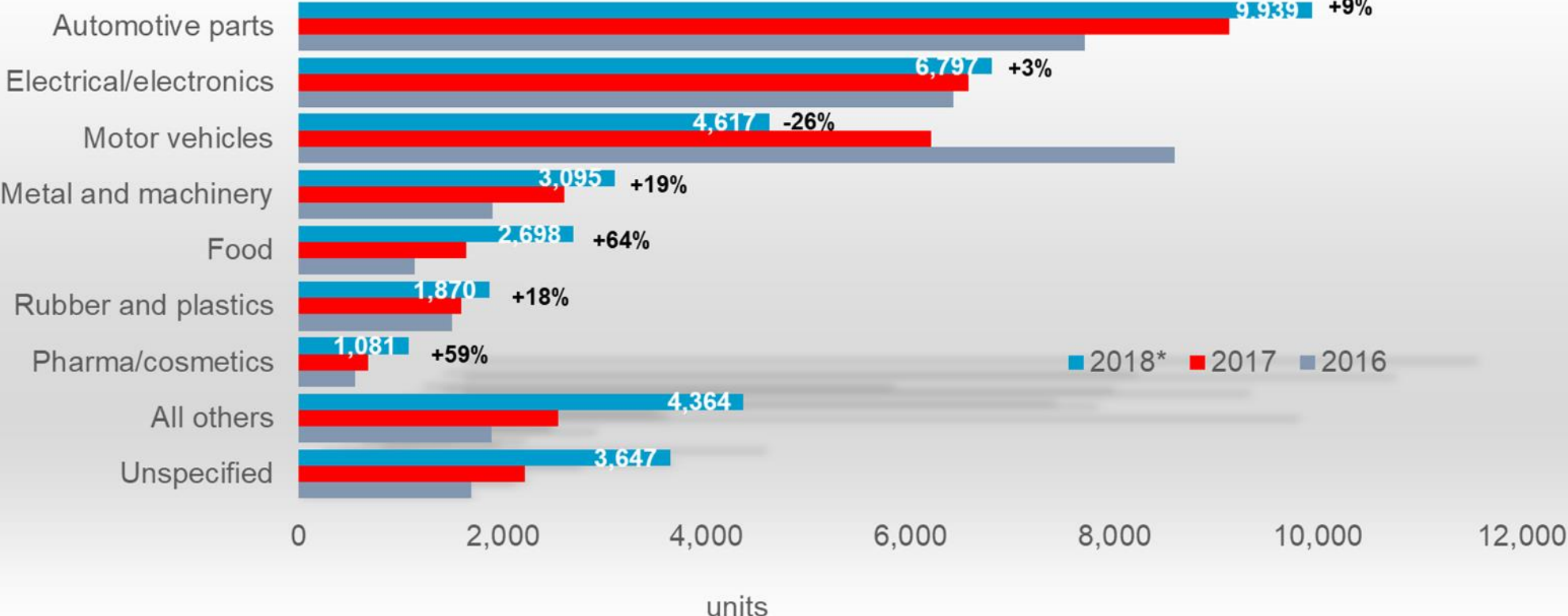


# United States : growing for the 10<sup>th</sup> consecutive Year



# United States : Automotive Parts up, but Car Manufacturers down; other Manufacturing Sectors on the Rise

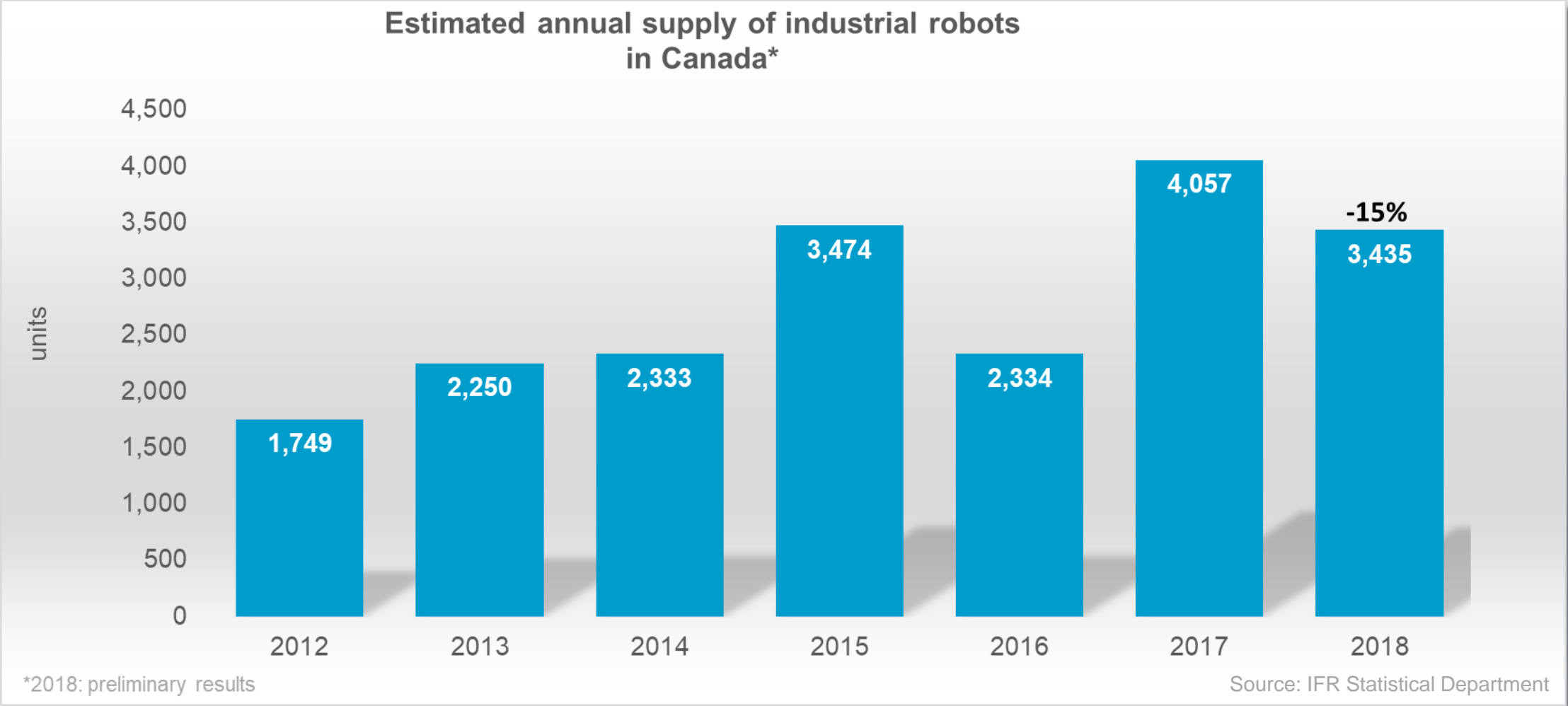
Estimated annual supply of industrial robots at year-end in the United States by industries 2016-2018\*



\*preliminary results

Source: IFR Statistical Department

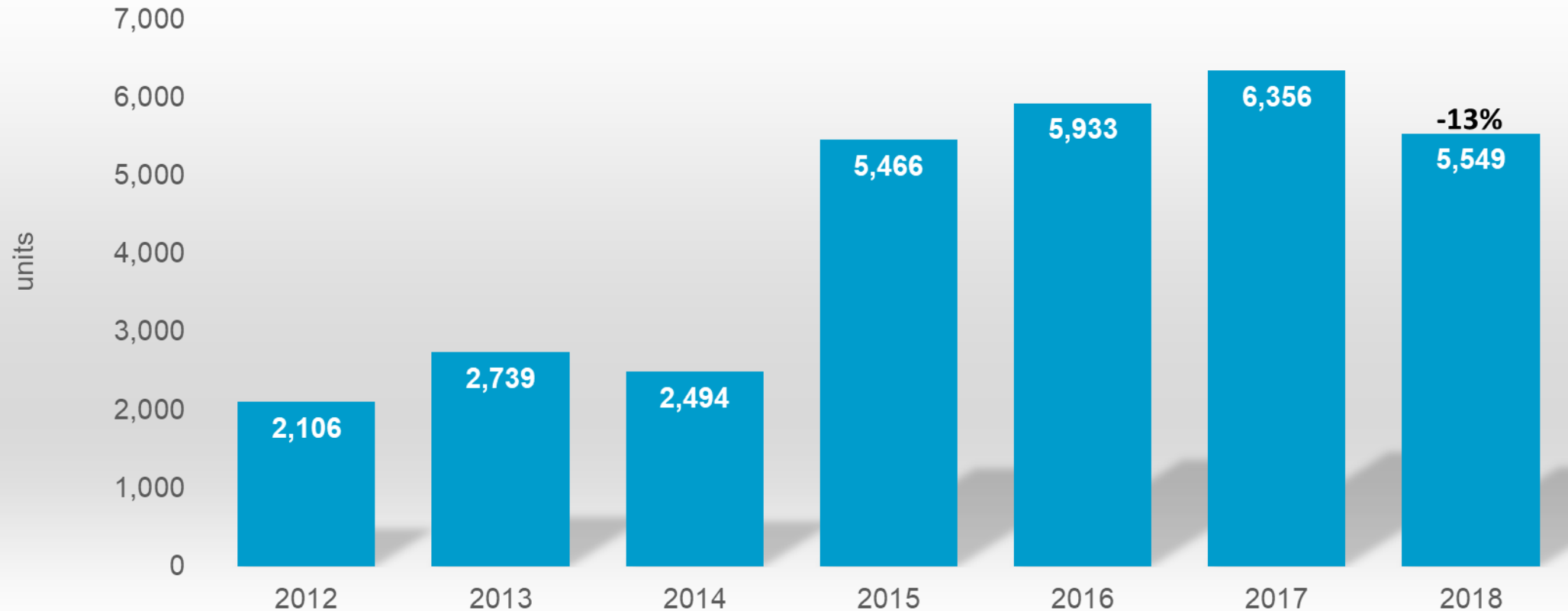
# Canada : fluctuating Volumes, but trending upwards





# Mexico : dropping back to 2015 Level

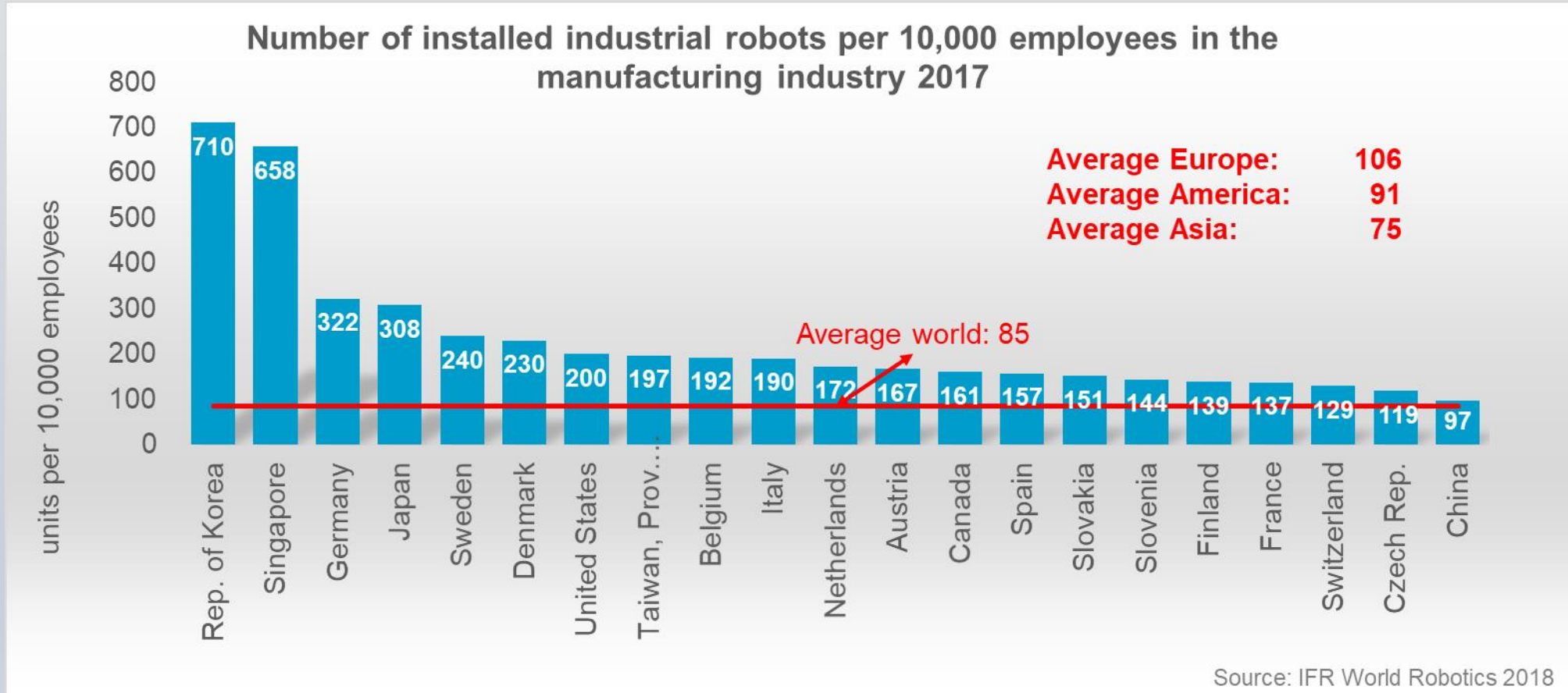
Estimated annual supply of industrial robots  
in Mexico\*



\*2018: preliminary results

Source: IFR Statistical Department

# Highest robot density in Korea - lowest average in Asia



# Some Clouds overhead, but the Forecast is for Blue Skies

## Today

- **Automotive Industry Transition from ICE to EV**
- **Declining Smartphone Sales**
- **Political Headwinds**

## Tomorrow

- ✓ **Increased manufacturing flexibility**
- ✓ **Demographic “Time Bomb”**
- ✓ **Emerging and rapidly-growing market segments**
- ✓ **Business and Technological Innovation, e.g. for SME Category**

# Thank you!

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